MFIC/TSG/RED-164-70 2 July 1970

MEMORANDUM FOR: Chief, Research & Engineering Division, TSG/NPIC SUBJECT: RED Implications of IEG SITSUM Briefing of 29 June 1970

l. The following paragraphs are delineations of subjects that were discussed during the subject briefing which indicate the possible need for some Research and Development Support. At this point I do not know what the degree of interest is on these matters and, certainly, this would be one of the first points that we should determine. If it fits would be one of the first points that we should determine. If it fits would be one of the first points that we should determine. I would be glad in with your scheme for the operation of the division, I would be glad to initiate discussions with Messrs.

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the proper perspective for evaluating the significance or these R&D requirements.

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the Black Book which is reproduced in 40 copies for a very high level discensination and is intended to be succinct disclosures of very significant intelligence finds. MPIC has the opportunity to contribute directly to this publication, but only if photographic materials upon which the intelligence find is based yields a lithographically reproduced which the intelligence find is based yields a lithographically reproduced which can without question be used to verify the reported intelligence.

the information cannot be used for this publication. He asked whether or not there was a means whereby the original image could be chanced for the lithographic reproduction so that NPIC could submit the of their intelligence finds for disclosure through this publication. If we determine that there is an appropriate level of interest by IEG and/or the Center management in this matter, I suggest RED head up a small task team to search out the facts in the case and determine the actual reproduction technique limitations. Once having done this, we can assess the possibility of providing or developing an enhancement technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose. The task team needs technique that will serve the stated purpose.

commented on his recent trip to and Westover. He commended the state of capability in the Westover operation and said that he was surprised at the relatively primitive techniques that must use in the processing of imagery. He apparently was referring to the means for quality entering the imagery. He apparently was referring to the means for quality assessment and control of the end product. His remarks implied to me appreciated the need for Research and Development in this area.

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SUBJECT: RAD Implications of IEG SITSUM Briefing of 29 June 1970

discussed recent imagery 4. Photographic Enhancement. of the Middle East theater. He said that the imagery was degraded by sendstorms to the point that PIs considered it to be worthless. Additional film positives made on a special high contrasting emulsion, at on the Breakdown Team, proved to be suitable the direction of for some photo interpretation functions. This point refreshed my memory about the Image Enhancement Handbook that APSD intends to publish and the fact that I believe it should be well coordinated with the imagery technologist serving in RED. I am particularly concerned that the PI may not be shown the trade offs that are characteristic of conventional (contrast manipulation) image enhancement techniques and that, whether or not they are furnished with several different kinds of copies of the material, they are taught to appreciate the type of copy which has the ultimate information potential. 5. Mensuration. described current difficulty in the process of measuring the lengths of submarines. I believe that described current difficulty in the difficulty is caused by the very close color match that Soviet submarine hulls have to the sea. He asked whether or not RED had any suggestions for means to alleviate this problem. It appears to me mentioned the fact 6. Director's Morning Briefing. that between missions it is possible that some time would be available for the Director's Morning Briefing. He emphasized to TSG (RED) personnel that if they had any particularly significant or humorous disclosures

to make, he would be glad to consider them for inclusion during some of these relatively slack periods. I believe this is an opportunity we should certainly make the most of. Here is a chance to develop some internal and external enthusiasm among all the right people.

7. Aircraft Readout Operations. We were briefed on the current state of the Nic Tactical (aircraft) Acquired Reconnaissance -- particularly that in Southeast Asia. We found that this operation appears to be seising significance rather than loosing it. During the past several months IEG has been reading out this material at the rate of over a 1,000 missions and 500,000 ft. of film per month. I asked ________if he expected this level of operation to continue through the 75 time frame. He said that, if anything, he expected it to increase. This is an excellent avenue for us to make a point about the utilization of the Dry Silver material. Another point that was made during this briefing is that the IRIS II (Optic Bar) camera was the only aircraft enwited camera which received an excellent interpretability rating by the NTC PIs. This implies that this camera may be used to accomplish are national level requirements in the future. Little, if any, of any apprenent is specifically designed for exploiting photography taken by this system. I think the 1540 Light Table is the only exception. It may be prudent to look into whether or not we should renew some putreent development projects specifically keyed to exploitation of Approved For Release 2004/03/26 : CIA-RDP78B05171A000200020123-0

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mituations that we are air	The briefer reviewed most of the color eady familiar with. Among these was the fact do not believe that color should be flown in	
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system development program	i interval, of developing a success-	
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